

In the Specification:

Please amend paragraph [00017] as follows:

[00017] The present invention is directed to a system and method for correcting such imbalances. In one embodiment of the invention, the system may be automated to maintain a desired chemical balance in the CSF using dynamic feedback from EEG monitoring and periodic chemical analysis of the CSF. However, a more basic system according to the present invention may include, for example, a shunting catheter for shunting CSF from the cranium and an infusion catheter for infusing necessary chemicals (*i.e.*, electrolytes, agonists, antagonists, etc.) into the cranium via an osmotic or electromechanical pump, while monitoring and regulating the effects of the intraventricular shunting and lavage with periodic quantitative electroencephalographic (QEEG) assays and with chemical analysis of the shunted CSF performed by clinical personnel.